



Philips
flat TV with Crystal Clear

23"

LCD HD Ready

23PF4310



Turn up your viewing experience with Crystal Clear

Here is an LCD TV that not only enhances the décor of your home with its European styling and slim design, but also provides a great audio-visual experience with Crystal Clear and Virtual Dolby Surround.

Better quality images that reveal more detail

- High definition LCD WXGA display, resolution 1280 x 768p
- HD ready for the highest quality display of HDTV signals
- Crystal Clear improves picture depth
- Active Control optimizes picture quality whatever the source

Superb sound reproduction

- Virtual Dolby Surround for a cinema-like audio experience

Stylish design

- Compact design

Multi-purpose convenience

- PC input lets you also use your TV as a PC monitor
- Smart Picture provides personalised image settings

Leading interface for digital quality audio/video

- DVI-I provides the best picture and flexible connectivity



PHILIPS

sense and simplicity

Specifications

Picture/Display

- Aspect ratio: Widescreen
- Brightness: 450 cd/m²
- Contrast ratio (typical): 500:1
- Diagonal screen size: 23 inch / 58 cm
- Display screen type: LCD WXGA Active Matrix TFT
- Picture enhancement: Progressive Scan, Sharpness Adjustment, Active Control, Colour Temperature Adjustment, Crystal Clear
- Screen enhancement: Anti-Reflection coated screen
- Viewing Angle (H / V): 170 / 170 degree
- Panel resolution: 1280 x 768p
- Response time (typical): 16 ms

Supported Display Resolution

- Computer formats
 - Resolution Refresh rate
 - 1280 x 768 60Hz
 - 640 x 480 60, 67, 72, 75Hz
 - 720 x 400 70Hz
 - 800 x 600 56, 60, 72, 75Hz
 - 1024 x 768 60, 70, 75Hz
 - 832 x 624 75Hz
- Video Formats
 - Resolution Refresh rate
 - 1920 x 1080i 2Fh
 - 1280 x 720p 3Fh
 - 720 x 576p 2Fh
 - 720 x 576i 1Fh
 - 640 x 480p 2Fh
 - 640 x 480i 1Fh

Sound

- Sound Enhancement: Dynamic Bass Enhancement
- Sound System: Nicam Stereo, Virtual Dolby Surround, Mono
- Equalizer: 5-bands
- Output power (RMS): 2 x 5W

Convenience

- Ease of Installation: Automatic Channel Install(ACI), Automatic Tuning System (ATS), Fine Tuning, PLL Digital Tuning, Plug & Play, Auto Program Naming, Program Name, Sorting, Autostore
- Ease of Use: Auto Volume Leveller (AVL), Program List, Smart Picture Control, Smart Sound

- Control, Menu Control, On Screen Display
- Remote control type: RCFE05ZAU00
- Teletext: 10 page Smart Text
- Screen Format Adjustments: 4:3, Subtitle Zoom, Super Zoom, Movie expand 14:9, Movie expand 16:9, Widescreen, Full screen
- Clock: Sleep Timer
- Picture in Picture: Twin page text
- Remote Control: TV
- VESA Mount: 100 x 100 mm

Tuner/Reception/Transmission

- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: PAL, PAL B/G, PAL D/K, PAL I, SECAM, SECAM B/G, SECAM D/K, SECAM L/L'
- Video Playback: NTSC, PAL, SECAM
- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner Display: PLL
- Number of Preset Channels: 100

Connectivity

- Ext I Scart: Audio L/R, CVBS in/out, RGB
- Other connections: Antenna IEC75, PC Audio in, DVI-I
- Front / Side connections: Audio in, Headphone out, CVBS in, S-video in
- Number of Scarts: 1

Power

- Power consumption: 84 W
- Standby power consumption: < 1W
- Ambient temperature: +5°C/+45°C
- Power supply: AC 90-240

Dimensions

- Product weight: 10.2 kg
- Set dimensions (W x H x D): 704 x 373 x 92 mm
- Dimensions (with base) (W x H x D): 704 x 414 x 217 mm
- Box dimensions (W x H x D): 780 x 551 x 210 mm
- Set weight: 10.2 kg
- Weight incl. Packaging: 12.85 kg
- Colour cabinet: Silver Frost

Accessories

- Included Accessories: Table top stand, Power cord, Quick start guide, Registration card, Remote Control, User Manual
- Cables: DVI-I to YPbPr cable

stereo system					transmission system						
2CS	NICAM	2CS	NICAM	NICAM	PAL	PAL	PAL	SECAM	SECAM	SECAM	
DK	DK	BG	I	LL'	BG	DK	I	BG	DK	LL'	
o	o	o	o	o	o	o	o	o	o	o	o



Product highlights

HD Ready

Enjoy the exceptional picture quality of a true High Definition TV signal and be fully prepared for HD sources like HDTV broadcast, Blu-ray DVD or HD-DVD. HD ready is a protected label that offers picture quality beyond that of progressive scan. It conforms to strict standards laid out by EICTA to offer a HD screen that displays the benefits of resolution and picture quality of a High Definition TV signal. It has a universal connection for both analogue YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 720p and 1080i signals at 50 and 60Hz.

Crystal Clear

Combining picture enhancements like Contrast plus and colour improvement, Crystal Clear improves picture depth.

Active Control

Active Control ensure that noise and sharpness improvements are continuously made at a rate of 60 times per second. By continually adjusting picture setting over 3,000 times per minute, Active Control Plus ensures that the viewing experience is optimized.

Virtual Dolby Surround

Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

PC input

With PC input you can connect your TV to a computer and use the TV as a PC monitor.

Smart Picture

Smart Picture provides the optimum picture settings for colour, brightness, saturation, contrast, sharpness, etc. to enhance your overall viewing experience at all times.

DVI-I Input

A DVI-I input connects the non-compressed high-bandwidth digital RGB signal from source to screen. By eliminating the conversion of the digital signals to analogue, it delivers an unblemished and noise free image, that is clear and flicker free. The DVI input supports HDCP copy protection that allows viewing of copy protected programs from Digital Set top boxes, DVD players and HD recorders. DVI-I is future proof as it can be connected to all HDMI devices (a converter cable is required). The DVI-I input also supports analogue PC-VGA signals.

